



08 Dec 1961

The Missouri Miner, December 08, 1961

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Argonne Laboratory Has Summer Training Program

Top-flight college students who want to learn as well as earn will be coming to Argonne National Laboratory again next summer as student aides to scientists and engineers studying peaceful applications of atomic energy.

The program, intended for junior and senior year students who plan graduate study for careers in science and engineering and who have an academic average of "B" or higher, will begin its seventh year in 1962.

Approximately 125 student aides will be selected for next summer, said Harry Bigelow, employment manager at Argonne. The deadline for filing applications is January 15, 1962.

Though Argonne in 1961 hired 130 summer aides, the number of qualified applicants far exceeded the number of openings, Bigelow stated. In all, 532 applications were received. During the past six years Argonne has employed 552 summer student aides.

In related programs, 50 graduate students and 68 college and university faculty members were employed by Argonne last summer.

"All of these appointments make the unique facilities of the Laboratory and the skills of its staff available to a much wider segment of the scientific community than would otherwise be possible," said Mr. Merlin D. Peterson, Deputy Associate Director for Education at Argonne. "These people bring new ideas and approaches to the Laboratory's problems, they take back with them an intimate knowledge of what we are doing, and they carry to their institutions ideas that could contribute to better

nuclear training and research."

Student aides who work at Argonne during the summer assist the Laboratory staff in carrying out research or engineering development projects. They report and interpret experimental data, and they may take responsibility for individual research assignments. The program carries no academic credit.

Applicants for student aide positions in 1961 had 34 different academic majors. The largest number of applications came from students majoring in chemical engineering, electrical engineering, engineering, mathematics, chemistry, physics, biology and zoology. Though most 1961 applications were students at Middle Western colleges and universities, 150 schools from coast to coast were represented.

Student aides at Argonne must be U. S. citizens and must be at least 18 years old. They are selected on the basis of years of college work completed, grades, references, experience, and intention to pursue graduate training. Since almost all of the work of the Laboratory is now unclassified, security clearance is not required.

Application blanks may be obtained from Dr. Louis A. Turner, Deputy Director of Argonne National Laboratory. The Laboratory's address is 9700 South Cass Avenue, Argonne, Ill.

One of the nation's leading research and development laboratories for peaceful uses of atomic energy, Argonne is operated by the University of Chicago for the U. S. Atomic Energy Commission. Its 3,700 acre site is located 25 miles southwest of Chicago's loop.

Military Ball to Be Held Saturday Night at 9 P. M.

The Military Ball Board members are now going through the final preparations for the 1961 Military Ball to be held tomorrow night, December 9th in the Student Union Ballroom.

The ball, an annual affair, is sponsored by the Military Ball for the students, faculty, and guests of the Missouri School of Mines.

The dress for the ball will be formal with advanced cadets wearing uniforms with white shirt and black bow tie; basic cadets wearing uniforms with white shirt and black four-in-hand tie. Others attending will wear a tuxedo or a dark suit.

In keeping with public interest the Ball Board has selected as this year's theme The Civil War Centennial. The decoration of the ballroom will follow this theme and the spirit of the Military which reigns over the festivities.

The highlight of the evening will be the crowning of the queen, who will be selected from the 19 beautiful hopefuls. The ball will

begin at 9:00 p. m. and continue until 1:00.

Behind the scenes of the Military Ball is the hard working Military Ball Board. It is the ingenuity of this group that makes the ball possible. The chairman of the board is Donald Burton and Walt Mueller is vice chairman.

Senior members of the board are T. R. Beckley, Pat Duvall, Jack Myers, Wayne Leimer, Bill Leininger, Frank Wood, and Jim Van Buren. Junior members are Ronald Henson, Duane Thurman, Vic Andoe, Mike Goodman, Jim Basey, and Jim McDuff. Sophomore members include Bill Aldrich, Bill Price, Ron Rusch, Joe Miller, Tom Harby, J. L. Calisto, and Glen Rahmoeller. The Freshman members are Mark Martin and Ed Teis.

Tickets for the ball are available from any Senior ROTC cadet, Military Ball Board member, through the business office or from a special booth set up in the Student Union lobby. Whether you might be Rebel or Yankee, be sure to attend the Civil War Centennial Ball.

NOTICE

The student chapter of the Association of Computer Machinery will have a reception banquet at the Colonial Village on December 10, 1961 at 7:00. The speaker will be Dr. William Vicvart, the Director of the Computer Center at the University of Oklahoma. If you wish to attend, sign up at the Computer Center or with one of the officers.

WIRE HOME

Radio Club Can Send Messages

As in the past the Missouri School of Mines Radio Club, WØEEE, is offering message service for the students of MSM. Messages may be sent quickly to most towns in the United States with a population of 5000 or more.

Through efforts of the group, the station has been greatly improved this year by remodeling the station layout. Through cooperation of the Student Council, financial assistance was given toward the purchase of a new transmitter.

All students are especially invited to make use of the message service at this Christmas season. Message forms may be obtained at the desk in the Student Union.

DISTINGUISHED GUEST

Gen. Moses Visits MSM And Talks With Dean

Major General Lloyd R. Moses, Deputy Commanding General of Fifth U. S. Army, visited the Missouri School of Mines and Metallurgy last Friday in relation to the ROTC activities.

General Moses discussed the status of the ROTC Program at MSM with Dean Curtis L. Wilson, after which he was escorted on a tour of the Military Department by Colonel Glenn R. Taylor, Professor of Military Science.

In addition to having outstanding combat service in World War II and Korea, General Moses held highly important assignments during the Berlin Airlift and the development of the North Atlantic

Treaty Organization. He has also served as department director at the U. S. Army and General Staff College.

Colonel Taylor pointed out that General Moses has a personal as well as professional interest in the Reserve Officers' Training Corps. He was commissioned initially in the Army Reserve Corps upon graduation from the University of South Dakota in 1931.

General Moses stated that courses and degrees offered at MSM are of particular importance in preparing the ROTC graduates for the highly technical fields requiring special qualifications in our modern U. S. Army.

MINER

MISSOURI SCHOOL OF MINES AND METALLURGY

VOLUME 48

FRIDAY, DECEMBER 8, 1961

NUMBER 12

Dr. Schlechten to Edit Technical Magazine Section

Dr. A. W. Schlechten, Chairman of the Department of Metallurgical Engineering at the Missouri School of Mines and Metallurgy, has been appointed Editor for the section on Extractive Metallurgy for the publication, "Chemical Abstracts," effective January 1, 1962. Published at Ohio State University in Columbus, "Chemical Abstracts" is a compilation of current publications in the fields of chemical,

metallurgical and ceramic industries. The section of Extractive Metallurgy which Dr. Schlechten will edit represents an expansion of the publication with three sections devoted to metallurgy instead of one as in the past.

Dr. Schlechten has been at the Missouri School of Mines and Metallurgy since 1946. He was educated at the Montana School of Mines and the Massachusetts Institute of Technology.

MRHA to Hold Open Dance at 9

Tonight, (Friday) from 9:00 p. m. to 1:00 a. m. the MRHA will hold a "Beatnick Christmas Dance" at Rayl Cafeteria. Come "beat," because the attire is from beat to informal.

The music will be provided by the Majestics, recorders of Oasis. They will be under national contract with Chess Records January 1.

Refreshments will be sold at the Rayl Snack Bar. Don't forget this is an open dance!

Student Union Sends Ten Men to Conference

Ten members of the Student Union Board and Council attended the Region VIII Conferences of the Association of College Unions. The members in attendance were Milton Odegard, Bill Erickson, Clint Clark, Ron Henson, Rich Miller, Ron Ragland, Paul Ray, Tom Payne, Roger Pearl, and Larry Peimann. Mr. Bill Kratzer represented the staff of MSM at the conference.

The conference was held in the new and beautiful University Center at the University of Kansas City, Missouri.

It was indeed a very interesting

and inspiring conference. The main theme of the conference was "The Union as a Center of Informal Education." So, if you see any new and different ideas in the Student Union they may well be results of this conference.

Some of the activities that are going on in our Union now are the Pool Tournament and this Sunday the film classic, "The Spirit of St. Louis" will be shown starring James Stewart, Marc Connelly, and Murray Hamilton. It is the story of the magnificent achievement of the solo flier who crossed the Atlantic nonstop from New York to Paris in 1927.

AFS Picks Officers for This School Year

Officers are announced for this school year for the Missouri School of Mines and Metallurgy's Student Chapter of the American Foundrymen's Society. The group, organized in 1896 nationally and in 1949 at the Missouri School of Mines and Metallurgy, presents advancement of metals casting techniques to students majoring in that field and offers a

tie for the student with the profession. The student chapter at the Missouri School of Mines and Metallurgy is the nation's largest.

Officers include: Robert C. Elliott, Vice President, Junior Metallurgical Engineering Major, Route 1, Ridgefield, Conn.; Charles P. Becker, Secretary-Treasurer, Junior Metallurgical Engineer-
(Continued on Page 4)

NOTICES

The Traffic Safety Committee wishes to remind students having motor vehicles registered that the proper location for the registration decal is on the lower left corner of the rear glass and on the lower right corner of the windshield on convertibles and automobiles not having a rear glass.

TO ALL STUDENTS

Effective for the 1961-62 spring semester registration, the Registrar's Office will be using a revised blanket form. Please throw away any of the old forms you might have since they will not be accepted.

The M Club would like to ask all MSM men who lettered in high school sports to please remove their letters from their letter jackets.

Miner Editorial

It has been said that the freshman year is the hardest to complete. This is quite true. It is illustrated by the fact that the freshman class has the largest drop and flunk-out rate of the entire college. Not all of the fault lies with the student however. The freshman year is filled with required subjects. General chemistry is taken by most of the freshman class, as is mechanical drawing and English. Since so many students are taking these subjects there is a tendency to throw them into extremely large classes. Some chemistry lectures have more than one hundred fifty students in one room. As a result of such crowded conditions many students tend to day dream or sleep in class. This puts them far behind before they even realize what college is.

The instructors are also put under a strain by having so many students. With all the paper-work involved there is only enough time for the instructor to teach the class, not the student. There is never the opportunity for the instructor to get acquainted with the students on a more direct level.

Freshmen are in a new environment and to a certain extent are lost. Large numbers of them are incapable of college at first because of poor study-habits or an inability to adjust to a new way of life rapidly. A carry-over of high school ideas and habits are common and can damage a college career if not curbed in time. An instructor is qualified to help a student make an academic transition but there isn't enough time for one instructor to help each of two hundred students. Most of the flunk-outs and drops could have been avoided if they had received help in time.

There is a common misconception that college should be cold and impersonal, thus preparing the student for "the world." This is wrong. College has one objective . . . to teach. The methods of teaching should not be for mass production of engineers, as they are now. They should be to teach the student who desires to learn. Some critics argue that, but in the case of some freshmen it may be the best way. If a student doesn't adjust after the freshman year than there can be considerations of dropping.

Colleges should strive to make college for everyone who has the ability to learn. They should take away the flunk-out factor due to improper teaching or impersonal school-student relations. A student should be made to feel that he belongs — after all, who is college for?

Record Number of Companies Interview Students This Year

This year at MSM, more companies are interviewing more students than ever before. The interviews are mostly attended by graduating seniors, although many juniors also participate. The average offer last year to students with a B. S. degree was \$525 a month. This year the offers are reaching a new high of approximately \$35 more per month than last year's offers. Graduate students who expect to receive their Master's will be offered \$125 to \$150 more than those students receiving their Bachelor's and those graduate students receiving Doctor's degrees will have unlimited possibilities.

Most of the higher offers, of course, are going to those students in the upper 1/3 of the class; however scholastic achievement is not the only attribute which companies are looking for. The number of students who graduate from

MSM and go into research and development is quite small compared to the number going into fields such as management. Therefore, many companies look for the energetic, responsible student with the good personality. Even the poorest graduating student, barely making his 2.0 average, will find a job because companies know that only 1/3 of all freshmen entering this school will receive their degree and this fact alone makes the student somewhat selective.

MINER COMMENT

Many ROTC students have been making a mistake in not signing up for these interviews because of the fact that they are committed for two years of active duty after they graduate. Many companies still offer jobs to these ROTC students and it is to their benefit that they sign up for these interviews.

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THE MINER



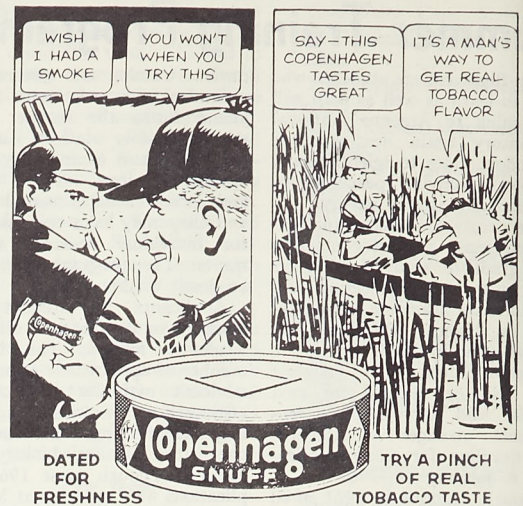
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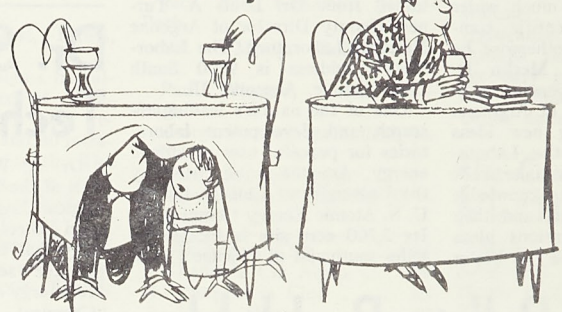
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Check your opinions against L&M's Campus Opinion Poll #13

① Your best friend's beautiful date asks you to meet her for a late date. Would you . . .



☐ meet her in secret? ☐ meet her and tell your friend? ☐ tell and not meet her?

② For your major course which would you choose . . .



☐ a good teacher
☐ or an outstanding man in his field but a poor teacher?

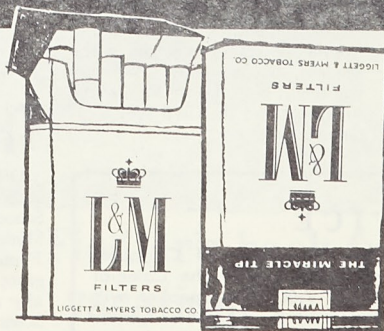
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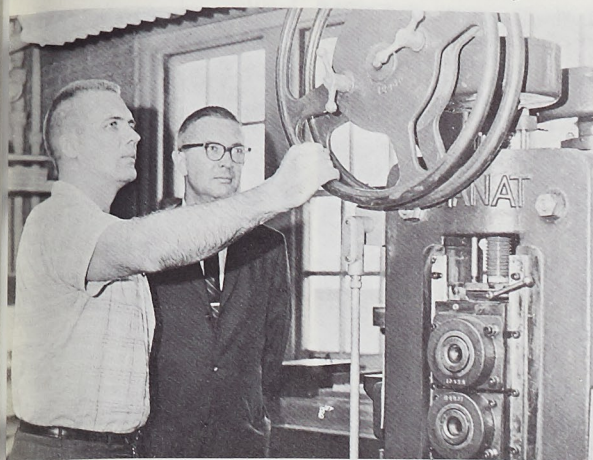


HERE'S HOW 1029 STUDENTS AT 100 COLLEGES VOTED!

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Roy A. Smith Receives Ball Brothers Scholarship



Roy A. Smith, recipient of the Ball Brothers Fellowship in Metallurgical Engineering adjusts a laboratory rolling mill while Dr. A. W. Schlechten, Chairman of the Met. Engr. Department looks on.

Roy A. Smith has been named recipient of a fellowship established in the Department of Metallurgical Engineering at the Missouri School of Mines and Metallurgy by the Ball Brothers, Incorporated of Muncie, Indiana. The company is well known for its famous product of Mason jars, but the company has expanded into a wide variety of other fields having metallurgical interests.

Smith holds a B. A. degree in Geology from the University of Missouri which he received in 1958 and a B. S. in Metallurgical Engineering earned from the Missouri School of Mines and Metallurgy in 1960. During the time he was an undergraduate at the Missouri School of Mines and Metallurgy, Smith was awarded the Kennecott Copper Corporation Scholarship for outstanding academic work. Following graduation Smith was employed by the Kaiser Aluminum Company at Newark, Ohio where he worked as a research metallurgist until returning to MSM this fall.

As the Ball Brothers Fellow, Smith is working for an M.S. in Metallurgical Engineering during the 1961-62 school year and his research will be concerned with the recrystallization of metals and will be directed by Professor H. P. Leighty, Jr.

Ball Brothers began use of zinc in the old type lids for jars, but have expanded their zinc products to include battery parts, lithographers and engravers plates as well as zinc strips and sheet for other forms of industry. Other products include design and construction of observation satellites for solar study.

BE CAREFUL!

From now until after the New Year's holidays, Missouri traffic will be heavier than usual, therefore, much more dangerous, the State Highway Patrol warned today.

One hundred and eleven persons were killed in traffic crashes during last December, and the Patrol warns that the toll may run high again this year unless every motorist and pedestrian uses extreme care.

During the latter days of November and through the Thanksgiving Day holidays, traffic deaths in the state had declined considerably compared to the

seven fatalities compared to 17 people killed last year and an average of 17 deaths each Thanksgiving period during the last several years.

Going into the last week of November, the Missouri traffic toll was 104 deaths below the 1960 record. On November 27, with the Thanksgiving holiday period past, the toll for this year stood at 825 fatalities compared to 929 on the same date last year.

The Highway Patrol Commander, Col. Hugh H. Waggoner, said, "There is no denying that we are indeed thankful for Missouri's better traffic this year, but we are not forgetting for an instant that over 800 people have been killed since January 1, and we know these tragedies could have been prevented."

The Patrol Chief stated that few traffic deaths occur that are not the direct result of one or more traffic law violations. "If every driver will refrain from drinking, speeding, passing on hills and curves or violating any other traffic law, there is no reason the death toll in this holiday month should be anything like the tragic slaughter last December," he added.

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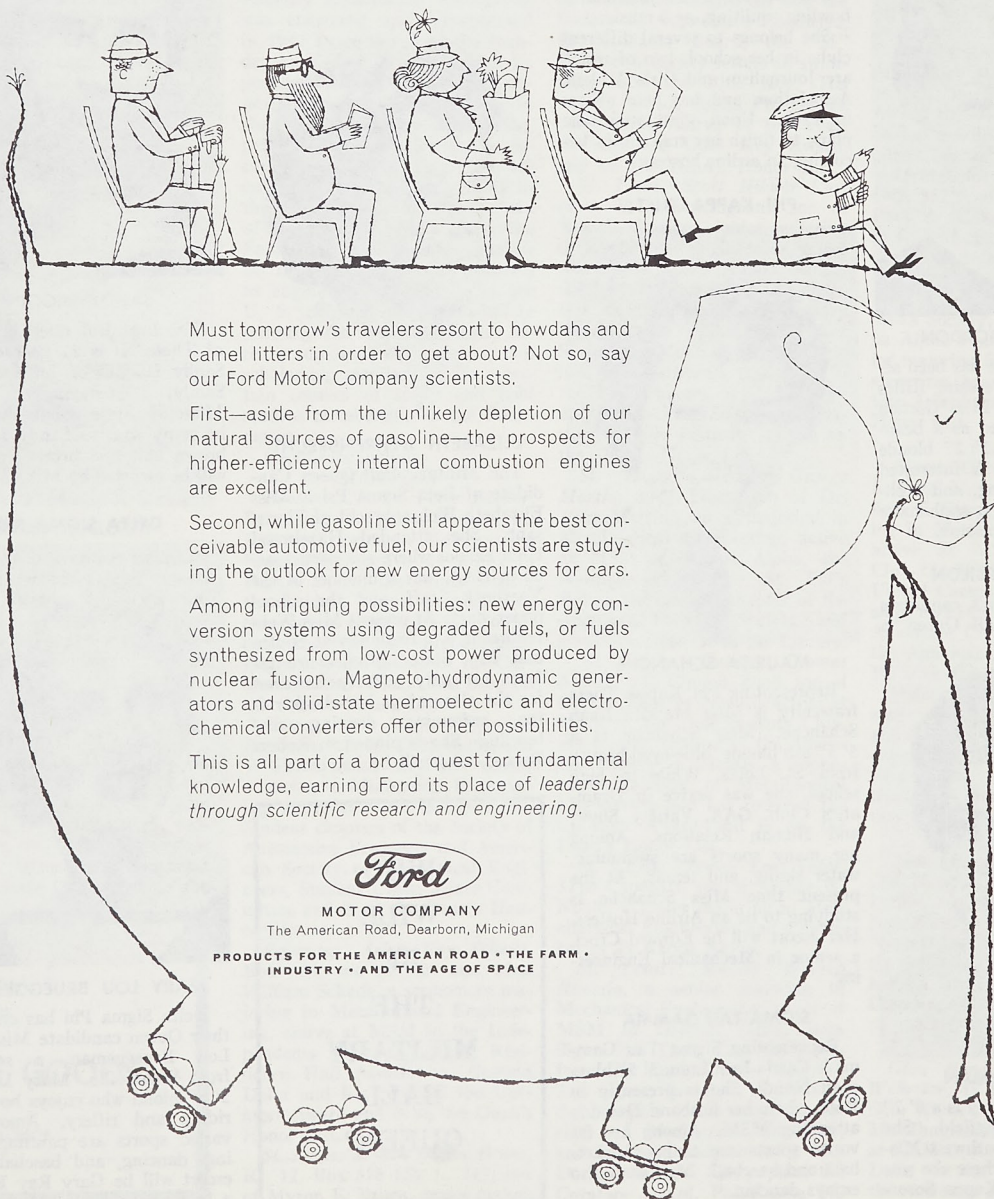
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This is all part of a broad quest for fundamental knowledge, earning Ford its place of leadership through scientific research and engineering.



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1961 MILITARY BALL QUEEN

SIGMA PI



GWEN GRAHAM

Miss Gwen Ann Graham is the choice of Sigma Pi fraternity. A bookkeeper at Manchester Community Bank, this 20 year old has brown hair, brown eyes, and stands 5' 2". Miss Graham plans to obtain a degree in elementary education and return to Florida to teach. Her escort will be Gary Herman, a junior majoring in Electrical Engineering.

PERSHING RIFLES



JOYCE ANN GORDON

Joyce Ann Gordon has been selected to represent Pershing Rifles as their candidate. Miss Gordon is presently employed as a beautician in Rolla. A 5' 2" blonde from St. Louis, she is interested in swimming, bowling, and archery. Clark Gordon, a sophomore ME, will be Joyce's escort.

SIGMA PHI EPSILON

Sigma Phi Epsilon's candidate for the Military Ball Queen is



NANCY BOWMAN

Nancy Bowman. Nancy is a 5' 7" brunette from Springfield. She formerly attended Southwest Missouri State College where she was a member of Sigma Kappa Soror-

ity. Her varied interests are bridge and drama clubs, and swimming groups. She will be escorted by her husband, Michael Bowman, a junior in Chemical Engineering.

TRIANGLE

Triangle's candidate for the Military Ball Queen contest is Miss Gayle Holly, a brown-eyed, 110-pound, brunette from Granite City, Illinois, is a senior at Granite City Senior High School. Her



GAYLE HOLLY

small, 55" 2" frame is built snugly around a warm and congenial personality which has acquired her many friends and interests. These interest include swimming, bowling, quilting, and music.

She belongs to several different clubs in her school, two of which are Journalism and Girls Athletic Association, and has held offices in each. Upon graduation she plans to finish her training in becoming an airline hostess.

PHI KAPPA THETA



MAURITA SCHANCHE

Representing Phi Kappa Theta fraternity is Miss Maurita Lynn Schanche. Miss Schanche is a 5' 5" ash blonde, blue-eyed beauty from St. Louis. While in high school, she was active in Dramatics Club, GAA, Variety Show, and Human Relations. Among her many sports are swimming, water skiing, and tennis. At the present time Miss Schanche is studying to be an Airline Hostess. Her escort will be Edward Croci, a senior in Mechanical Engineering.

SIGMA TAU GAMMA

Representing Sigma Tau Gamma is Carris Jean Lum, 5' 5" blue-eyed blond. She is presently in Rolla where her husband David is attending MSM. Among her favorite sports are tennis, basketball, and baseball. Mrs. Lum also enjoys dancing.

ACACIA



PAT TURNER

Miss Patricia Cecelia Turner is the choice of Acacia fraternity for queen candidate. This 19 year old blond beauty from St. Louis is presently employed at Stix Baer & Fuller in the cosmetic department and does part time modeling. Last year Miss Turner attended Central Methodist College where she was chosen as freshmen representative of the Womens Recreational Association. She was also selected to represent Central College in tennis. Her escort will be William Schuermeyer, a senior in EE.

BETA SIGMA PSI



ELIZABETH WEHRENBRECHT

The Military Ball Queen Candidate of Beta Sigma Psi is Miss Elizabeth Wehrenbrecht of Florissant. She attended Hazelwood High School where she participated in GAA, was a member of the Yearbook Staff, and the school paper staff. At present Miss Wehrenbrecht is a freshman at Southeast Mo. State. Studies are far from her only activity however, for she also enjoys horseback riding, swimming, dancing, and bowling. She is pinned to Robert Barnes, who will be her escort.

WHO
WILL
BE
THE
MILITARY
BALL
QUEEN?

ENGINEERS CLUB

Engineers Club's choice for queen candidate is Miss Ruth Etta Raney, an 18 year old typist-clerk from Kansas City. While in high school Miss Raney was active in Pep Club, Band, and FHA.



RUTH RANEY

She is engaged to her escort, Kermit Shroyer, a junior in EE.

THETA XI



SANDY HIGGINS

The beautiful queen candidate of Theta Xi is 21 year old Miss Sandy Higgins of Jefferson City. Sandy, a stenographer for the Missouri State Dept., is active in many sports. Sandy has light brown hair and brown eyes. She will be escorted by Mike Stephens.

DELTA SIGMA PHI



MARY LOU BRUEGGE MAN

Delta Sigma Phi has chosen as their Queen candidate Miss Mary Lou Brueggeman, a secretary from Wentzville. Mary Lou is a 5' 5" blond who enjoys horseback riding and riflery. Among her varied sports are painting, reading, dancing, and baseball. Her escort will be Gary Ray Koletta, a junior majoring in M. E.

SIGMA NU



SANDY COWAN

Miss Sandy Cowan, a junior at the University of Missouri, is Sigma Nu's candidate. Miss Cowan is a member of Kappa Alpha Theta Sorority and a member of the Savitar Board. A graduate of Rolla High she is majoring in Special Education. Miss Cowan is pinned to her escort John Rupert.

MRHA

Representing MRHA will be Miss Pamela Price, from Kirkwood. Miss Price is active in Acappella, Pep Club, and Glee Club. Her outside interests are



PAMELA PRICE

painting, skiing, swimming, and skating. She plans to study dental hygiene. Her escort will be James Korbek, a C. E. freshman.

SAME

The Society of American Military Engineers has chosen Gail Ann Jarrard as their candidate.



GAIL ANN JARRARD

This 5' 2" redhead from Clinton, Tennessee, enjoys bowling, dancing, and swimming. She is presently living in Rolla; her husband is a Physics junior.

CANDIDATES

KAPPA SIGMA

Kappa Sigma has selected Linda Joyce Mausshardt, a 5' 2" blond Technical Inspector employed by White-Rogers Electrical



LINDA MAUSSHARDT

Company of Brosley, Missouri. While in high school Linda was a majorette besides being active in Accapella Choir, Student Council, and School Band. Her sports include tennis, dancing, and swimming. She will be escorted by her husband, David Mausshardt, a junior in Civil Engineering.

SHAMROCK



MARILYN COLE

Shamrock Club has chosen for their candidate Miss Marilyn Cole, an 18 year old beauty from Kansas City. Presently Miss Cole is a freshman at Central Missouri State, where she is majoring in elementary education. Last year she was chosen as an attendant to the Kansas City ROTC Ball, where she holds the rank of honorary captain. Among her varied sports are water skiing, ice skating, and bowling. Marilyn will be escorted by Mark Martin, a freshman in Science-Physics.

AFS

(Continued From Page 1)

ing Major, Route 1, Box 43, Fenton, Mo.; Harvey G. Martin, President, Senior Metallurgical Engineering Major, 3943 Flora, St. Louis, Mo.

LAMBDA CHI ALPHA



NANCY GOODWIN

Miss Nancy Goodwin, a 5' 3" freshman at the University of Missouri is the perfect choice for Military Ball Queen Candidate representing Lambda Chi Alpha. At MU Miss Goodwin is a member of the Student Union Arts Exhibits Committee. An 18 year old from Festus, she enjoys skiing and swimming. Miss Goodwin will be escorted by Kenneth Cage, a senior in Mechanical Engineering.

MRHA

MRHA has chosen Miss Merejo Moellsch as their queen candidate for the Military Ball. Miss Moellsch, a 5' 2" brunette from Olathe, Kansas, is a freshman at Lindenwood College, where she is



MEREJO MOELLSCH

active in the International Relations Club and Orchesis. Her sports interests include tennis, swimming, and horseback riding. Jerry Kettler, a sophomore in Mechanical Engineering, is Miss Moellsch's escort.

PI KAPPA ALPHA

Representing Pi Kappa Alpha in this year's Military Ball Queen Contest will be Miss Mary Jane Carriere, a 5' 5 1/2", 108 lb. redhead from St. Louis. Mary is presently attending Southeast Missouri State College where she

is majoring in Elementary Education and also pledging Tri Delt Sorority. Having modeled fashions speaks for the beauty of this lovely young lady escorted by Myron Bruns.



MARY JANE CARRIERE

Academic Scholarship Foundry Education

Recipients of the Foundry Education Foundation Scholarships are announced for this academic year at the Missouri School of Mines and Metallurgy. The Foundry Educational Foundation was chartered and incorporated in 1947 by members of the foundry and allied industries with its purpose to foster and improve education in the United States in the field of foundry engineering, practice, and operation and to encourage and assist students in acquiring education and training in this field. At the Missouri School of Mines and Metallurgy the Foundation has provided a number of scholarships to be awarded to engineering students who are U. S. citizens, who contemplate seriously the foundry industry after graduation, who meet certain scholarship standards, pursue certain courses of study and hold student membership in the Foundation.

Recipients include:

MISSOURI

Fenton: Charles Peter Becker, Rt. 1, son of Charles Becker, Sr., Junior, majoring in Metallurgical Engineering, active at MSM in Kappa Sigma, the Miner Board, the Student Union Organization, the student chapter of the American Institute of Metallurgical Engineers, and holder of the Curators Award. Becker has been on the Dean's Honor List.

Kansas City: Michael Kenneth Reyburn, 17 W. Dartmouth, son of F. Kenneth Reyburn, senior majoring in Mechanical Engineering, active at MSM in Sigma Nu, Student chapters of the Society of Automotive Engineers and American Society of Mechanical Engineers, Student Union Mixer Committee and is on the Dean's Honor List.

Palmyra: Arlen Ray Schade, Box 624, son of Mr. and Mrs. William Schade, a sophomore majoring in Metallurgical Engineering, active at MSM in the Independents Club, the Men's Residence Hall Association, Gamma Delta and has received the Curators Award and is on the Dean's Honor List.

St. Louis: Myron Duane Bruns, Rt. 12, Box 376 (St. L. 22), son of Myron E. Bruns, senior major-

Some people may have their first dollar, but the man who is really rich is the one who still has his first friend.

To tell a man in this country he can't afford to own and drive an automobile is equivalent to telling him he can't afford to eat.

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St. Louis: Thomas Casey Soraghan, 6964 Arthur, son of Mrs. Joseph P. Soraghan, freshman majoring in Metallurgy.

St. Louis: Doyle Lewis Chartrou, 830 Lake Street, son of Dooyne E. Chartrou, senior majoring in Mechanical Engineering, active at MSM in student chapters of the American Society of Mechanical Engineers, the American Foundry Society, the Rollamo Board, Pi Kappa Alpha, the Student Union Mixer Committee, and honors include the Curators Award, the Dean's Honor List and he has studied under the Caterpillar Tractor Co. Co-Op plan.

Springfield: John Martin Abbott, 857 South Freemont, son of Paul R. Abbott, active at MSM in student chapters of the American Institute of Metallurgical Engineers, American Society for Metals, and American Foundrymen's Society, a member of Kappa Alpha Fraternity, he is a senior majoring in Metallurgical Engineering, has received the Curators Award and is on the Dean's Honor List.

ILLINOIS

Dixon: Charles Eugene Campbell, 908 N. Jefferson, son of William C. Campbell, a junior majoring in Metallurgical Engineering, active at MSM in the Tech Club, the Military Ball Board, the United Campus Christian Fellowship, and student chapters of the American Ceramics Society and the American Society for Metals. He is on the Dean's Honor List.

Quincy: Michael Fred Simmons, 1415 S. 6th St., son of Mr. and Mrs. V. W. Simmons, a sophomore majoring in Metallurgical Engineering. His honors include the Dean's Honor List and a Military Award.

KENTUCKY

Paducah: Gary Ashley Long, 756 N 24th St., son of Asa M. Long, sophomore majoring in Metallurgical Engineering with a Nuclear Option, active at MSM in the Wesley Foundation, and has held a Union Carbide Nuclear Company Co-Op plan, and he is on the Dean's Honor List.

NEW YORK

Glen Head: Alfred Fredrick Wehreter, 45 Locust Ave., son of Otto Wehreter, senior majoring in Metallurgical Engineering, active at MSM in Kappa Alpha, Gamma Delta and the student chapter of the American Foundry Society.

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AIME Awards Medal to J. Reid

The American Institute of Mining, Metallurgical, and Petroleum Engineering has announced that its William Lawrence Saunders Gold Medal has been awarded to Joseph H. Reid, of New York, vice-president of the National Lead Company.

The honor is for Mr. Reid's "... leadership in establishing large scale successful operations in industrial mineral deposits, particularly of illemit, barite and bentonite clays."

Presentation will be made in New York February 21, 1962, at the Annual Banquet of the Institute at its 91st Annual Meeting.

Born in Coalgate, Oklahoma, and schooled in McAlester, Oklahoma, Mr. Reid holds degrees from the Missouri School of Mines and Metallurgy. He joined National Lead in 1927, holding a succession of posts leading, in 1949, to appointment as General Manager of the Titanium Division. Mr. Reid also is a member of the Board of Directors and the Executive Committee.

Mr. Reid has been prominently concerned with the development of mineral deposits in Arkansas, California, Florida, Missouri, Nevada, New Jersey, North Carolina, South Dakota and Wyoming, and in Brazil and Norway.

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Sunday Feature at 1:30, 4:10,
6:55, 9:25

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Thursday Dec. 14

ST. PAT'S BENEFIT

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Sunday Continuous from 1 p. m.

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Wed., Thurs. Dec. 13-14

'The Savage Innocents'

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Aptitude Test

1. If you went to bed at 8:00 at night and set the alarm to get up at 9:00 in the morning, how many hours sleep would you get?.....
2. Do they have a fourth of July in England?
3. Why can't a man living in Winston-Salem, North Carolina be buried west of the Mississippi River?
4. If you had only one match and entered a room in which there was a kerosene lamp, an oil burner, and a wood-burning stove, which would you light first?
5. Some months have 30 days, some have 31, how many have 28 days?
6. If a doctor gave you 3 pills and told you to take one every half hour, how long would they last you?
7. How many birthdays does the average man have?
8. A man builds a house having four sides and being rectangular in shape. Each side has a southern exposure. A big white bear wanders by. Where is the house?
9. What four words appear on every denomination of U. S. currency?
10. How far can a dog run into a woods?

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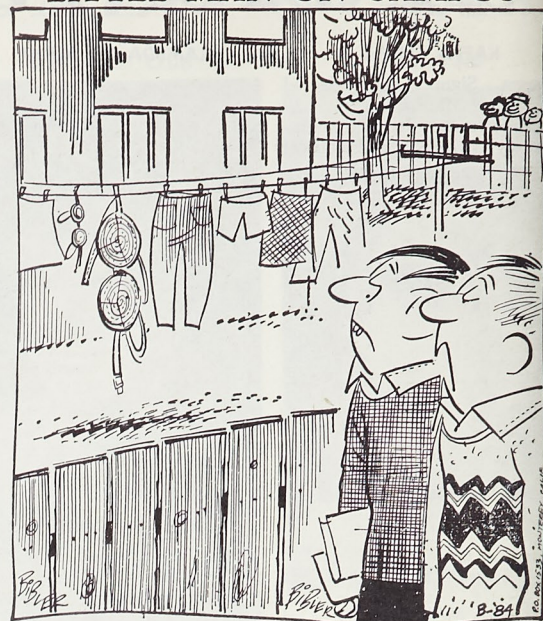
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LITTLE MAN ON CAMPUS



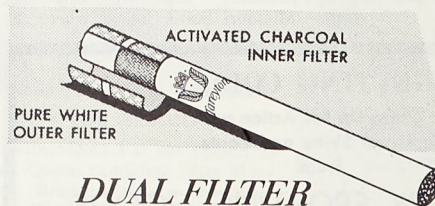
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MPUS



SOUGHT

Major Kennedy "Bombs" Pershing Rifle Pledges

The annual Pershing Rifles pledges outing started at 1315 hours Saturday, 11 November; twelve hours later it was all over. The period, however, was the most hectic and grueling most of the pledges had ever seen. The afternoon started off with a little PT under the instruction of Mike Goodman (S-3) and Wayne Leimer (CO). After 15 minutes of "refreshing" exercise, the pledges double-timed around the football field. Two pledges "pooped out" about three-fourths of the way around the track, claiming that they could not make it. The two were awarded an extra lap.

After drawing weapons (M-1's) and ammunition (blanks), the pledges marched off toward the southwest end of town, maintaining a sharp vigilance while marching. Scouts in front and guards on the right and left flanks and in the rear were prepared to give warning in case of ambush. Unfortunately, the pledges had no "spy in the sky," and were not prepared for the attack that came from there.

Major J. E. Kennedy, at the controls of an L-19, assisted by SFC Wedding, put on a spectacular show of dive bombing, complete with flour bombs.

After recovering from this unexpected aerial attack, the pledges continued the hike with added vigilance because there had been some rumors floating about concerning the possibility of an attack by tanks.

In three of the five other ambushes, the pledges were completely annihilated. During one of the other ambushes they did better and amassed only about twenty-five per cent casualties. On the last ambush, the pledges completely surprised the active ambush crew and drove them deep into the woods before the actives had a chance to set up their machine-gun.

The remaining portion of the hike was uneventful as far as shooting was concerned. Nevertheless, this half of the hike proved to be quite rigorous to say the least. The night was moonless, the wind bone-chilling, and the terrain was unfamiliar and nearly impassible. There was much chronic complaining on the part of the pledges, along with many colorful suggestions about what to do with Jim Basey (S-2) and Ron Marshall (Exec.) when the pledges could lay their hands on the two. . . . The reason for the friendly attitude toward these officers was that they were responsible for the route the pledges followed.

At a predetermined point the pledges were resupplied with "ample rounds of ammunition. From there, they marched the final leg of the hike to the main objective, where they were supposed to capture a position held by the deeply-entrenched actives. Although outnumbered two to one, the actives had "equalizers" — a machine-gun and a cannon. Needless to say, the pledges lost the final battle.

Although only one side was victorious, a victory celebration followed the cleaning of the rifles and each side celebrated as though they had won.

AIEE-IRE Replaces Graduating Officers

At a recent meeting of the executive committee of the MSM joint student branches, AIEE-IRE, new officers were chosen to replace those graduating in the winter ceremonies. D. L. Williard replaces Ellis Speicher as Vice-President, L. D. Moore takes over the IRE secretary spot from W. H. Slocum, and Ray C. Bretthauer surrenders the treasury to P. R. Hendricks.

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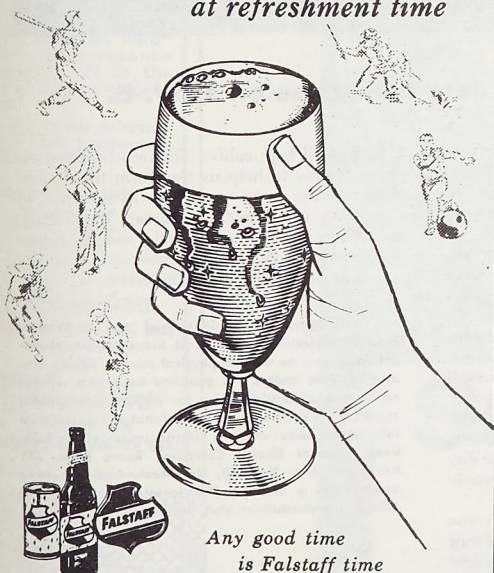
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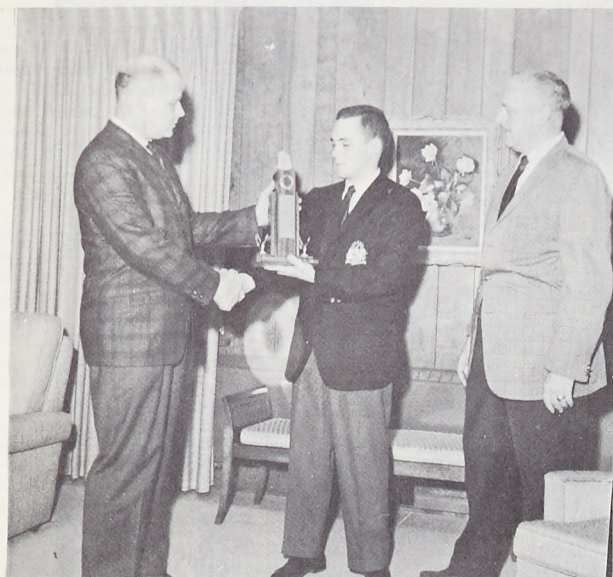
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Kappa Alpha Receives Award



Pictured above is Mr. Robert Moore, Province Commander, presenting the outstanding chapter award for Chiles Province to Jim Burtin, president of Beta Alpha. Looking on is Mr. Karl Moulder, faculty adviser for KA.

This award, presented annually, is based on total campus performance. Notable among Beta Alpha's achievements last year was an overall grade point standing of second place among all organizations on the MSM campus.

Also, three members of Beta Alpha held the presidencies of various campus organizations simultaneously. The KA house was the scene of the Province Council meeting last year as well as the center of various campus activities.

We of the Miner Board wish to congratulate Beta Alpha presidents for the 1960-1961 school year, John Roberts and Jim Burtin, as well as the members of Beta Alpha Chapter of Kappa Alpha Order for a job well done.

The Greek World

PHI KAPPA THETA

With the Christmas Dance Weekend beginning tonight, the members and pledges of Phi Kappa have been busy preparing for it. The pledges have been occupied with decorating practically the entire house, and the active chapter has been putting its time in getting in the Christmas Spirit, or spirits, whichever the case may be.

Last weekend a group of alumni from St. Louis came down to revisit the old Cow House. The day was spent in talking over old college days, in athletic contests on the basketball court in the backyard, and mainly in just relaxing and enjoying the company of old friends.

PI KAPPA ALPHA

On the warm, sunny afternoon of December 3rd the pledge class of Pi Kappa Alpha met the actives in the annual football game. It was soon apparent that the active team was much too strong for the pledges. On the first play from scrimmage the actives scored on a 35 yard pass play. By halftime the score was 25-0, actives' favor. The second half the pledges put forth an inspired effort, but the actives countered with their strong second unit led by quarterback "Bullet" Cox. Going into final minutes of the game the score was 38-0. Seeing that they were beaten, the pledges began to play illegally and even had the audacity to question some of the decisions of our fine, impartial, referees, "Blindman" Bruns and "Honest" Bob Piekars. To counter this treachery and foul play the actives were forced, somewhat reluctantly, to retaliate with some appropriate weapons which consisted of eggs, water balloons, flour bombs, and shaving cream. Somehow the game seemed to turn into a melee at this point.

SIGMA PHI EPSILON

Saturday night saw the end of a special week at Sig Ep. The result of this week was the complete redecoration of the downstairs portion of the house. The rooms now are a light beige color. Everyone in the chapter helped to make our house a more enjoyable place to call home. A fire, which will burn till Christmas, was started Saturday night in our fireplace. This is a yearly custom at Sig Ep.

The chapter was visited by Al Whitehead, a Sig Ep and former student at MSM. Al is now with the Army and stationed at Fort Leonard Wood.

Everyone is now eagerly awaiting the coming Christmas party.

TAU KAPPA EPSILON

Before the advent of the Thanksgiving holidays, a new piece of furniture in the form of a stereo console was added to the Teke house. The stereo was first prize in the campus-wide "Marlboro cigarette package contest."

The past weekend the Tekes

made a trip to Springfield, where we played the Springfield Tekes in football. The loser was to buy the third "Keg of Soda" but the game ended in a 7-7 tie. So each chapter brought some extra refreshments.

After the game TKE's from Arkansas State, SMS and MSM attended a victory dance at Dent's in Springfield.

This weekend we are looking forward to our Christmas Sweetheart dance. Friday night, after the I.F.C. sing, we will have a party. Then Saturday night is the crowning of the Teke Sweetheart. We will have a band and members from all fraternities are invited.

SIGMA NU

The men of Sigma Nu are again looking forward to another fine Christmas dance this weekend. The party has been planned to coincide with the pledge dance which will be held Friday night. The Friday night party will have an oriental theme, complete with Japanese lanterns and maybe a few Geishas.

Saturday afternoon the street urchins of Rolla will again de-

scend in mass on the Sigma Nu house. It has been rumored that Santa Claus will arrive via Bear's where he will store up on Christmas cheer before doling out the presents to the visiting youngsters. Later in the evening the "Mellowtones" will provide sounds for dancing and wholesome recreation in the Christmas spirit.

It looks like another great year is under way for the Sigma Nu cage team. After having rolled over five opponents so far this season, we will face the Dorms in a game Thursday night.

The Sigma Nu chorus, our threat to Mitch Miller and his group, has been diligently rehearsing for that once-a-year chance to command the stage at Parker Hall tonight. They will present their entire repertoire of one song "The Happy Wanderer." Our quartet under the direction of Herbst the Harmonizer is hopefully shooting for that top spot.

In every college library there must be a book of citations to which the faculty and president can refer when they are stumped for words.

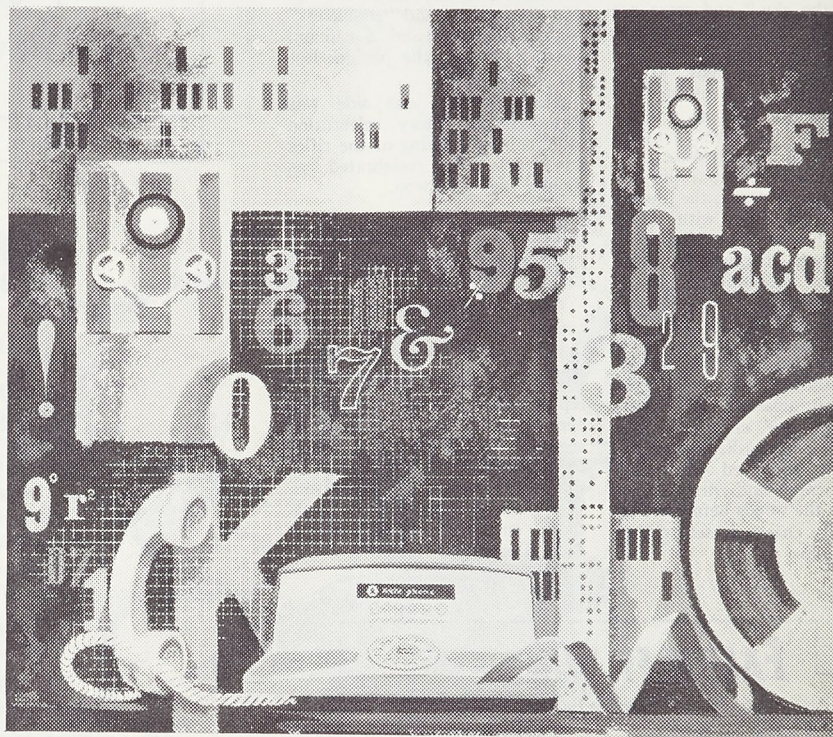
BETA SIGMA PSI

The Beta Sigs are planning a real swinging party for the Saturday evening of the Christmas Dance. The Imperials, a six-piece combo featuring a female vocalist, will do their best to keep the party on a lively plane with their musical diversions. The time for this event will be from 9:00 to 12:00 p. m., the place the Lions Den. With all that action it'll be quite a party.

Friday night's Dance will be at the Beta Sig house, as usual.

Larry Peimann and Dave Decker had themselves an enjoyable weekend. Larry, a delegate for the MSM Student Union, attended a convention of Student Union Organizations Conference for VIII in Kansas City. Our sympathy to Gerhardt, who could n't go. We hear it was exciting to say the least.

Dave Decker, a delegate for the MSM IFC to the NIC in Boston tells us he had quite a time there also, especially in the Peppermint Lounge. Too bad about the plane Dave, we could have used that insurance.



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Sig Taus Have Successful Dance

The weekend of November 18 was party weekend for the Sig Taus, who held their annual White Rose Formal Dance and Banquet. Friday night a lively dance took place at the Eagles Hall on Hwy. 63. Saturday night began with a banquet in the College Inn of the Edwin Long Hotel. Dr. Olin J. Drennan, President of Sigma Tau Gamma Fraternity, was guest speaker. The banquet was adjourned to Lion's Hall, which had been appropriately decorated, and even included a wishing well. The Taus and their dates danced away the night to the music of Gene Mitchell's Band. The White Rose Queen for 1961-62 was Miss Linda Downey, who was crowned by retiring Queen Miss Dee Ann Fowler.

The new addition to the Sig Tau house has been completed. A work weekend Dec. 2 was all that was needed to paint the interior and put on finishing touches. The house now has more room, and has improved bathroom and shower facilities.

The pledges held a successful Pizza Supper last Sunday night, which was held to make money for their Pledge Dance to be held this Saturday night at Eagles Hall. The theme of the dance will be the "Roaring Twenties." Tonight an informal dance will take place at the Sig Tau house.

LITTLE MAN ON CAMPUS



"AND, IN AWARDED OUR SCHOLARSHIP, THIS YEAR THE BOARD HERE, FELT THE SELECTION SHOULD NOT BE BASED ENTIRELY ON ACADEMIC ACHIEVEMENT."

Kappa Sigs Decorate House

Last weekend the Sophomore class and pledges of Kappa Sigma started beautifying their old white house on State Street with the decor of Christmas. We are hoping for our house to be a fine representation of true Christmas spirit.

Besides having very exuberant Christmas spirit around the house, all the Kappa Sigs are looking forward to their annual Christmas dance this coming weekend.

Recently initiated into Kappa Sigma Fraternity were Donald Hurst and Donald Bacich, both of whom are sophomores. Also recently pledged were Harold Russell and Charles Coyle.

Personality Column

Pete Cassimatis of Beta Sigma PSI was recently pinned to Miss Alice Johnston of St. Louis, Mo.

Robert Elliott, a junior from Kappa Sigma was recently pinned to Sandra Frank of Springfield, Mo. Sandra is a student at Southwest Missouri State College in Springfield. Also pinned from Kappa Sigma was Reid Bohning to Kay Shipley, who is from St. Louis.

Two Sig Taus were recently pinned. Jalon Leach became pinned to Miss Laverne Anderson, of Sullivan, Missouri. Brother Bill Ragland became pinned to Miss Sandy Lichtenberg, of St. Louis, Mo.

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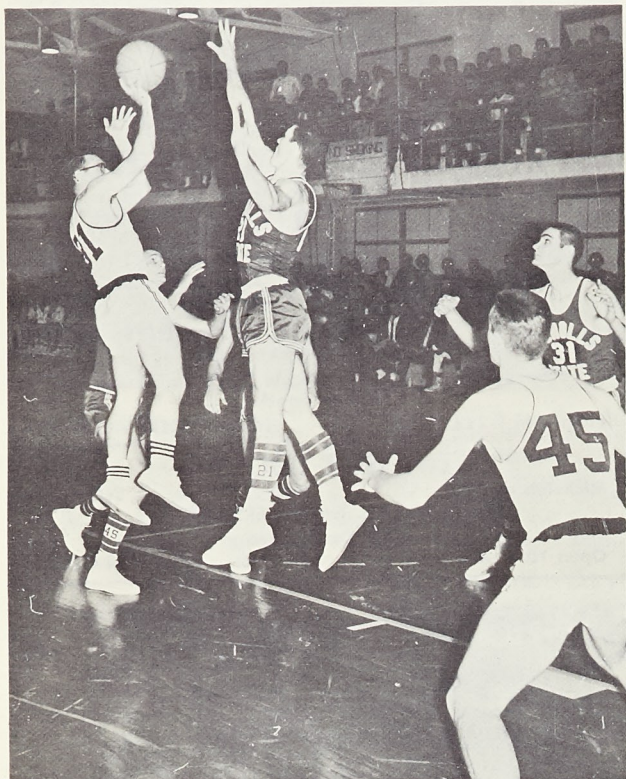
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Miners Beat Nicholls State College In Season Opener 74 to 72



LARRY MARTIN TRIES FOR TWO POINTS

by Gary Strebelt

The Miners got off to a good season by defeating Nicholls State College 74-72 here Saturday night in Jackling gym. It was quite an exciting game with a larger number of Miners showing up to cheer the team on.

Things really began poppin' when Nicholls refused to play because of a colored boy on the Miner team. Well, we decided since they were from the South that we would go along with them on not letting the boy play. Things were going along fine when a Miner and Nicholls player got into a fight on the floor. This was a little added enjoyment for the Miners who were there.

Jim Good and Larry Martin lead the Miners in number of points scored during the game. Good had a total of 18 points, while Martin scored 15 for the Miner team. Close behind in points scored for the Miners were Terry Wiegard with 14 points and Carl Reichert with 12 points.

This evening the Miners will travel to St. Louis to play Harris Teachers College. Then the next game here at Rolla is Monday, Dec. 11th with John Brown University, which should be a good match. The Miners have gotten off to a good start and let's hope they continue their streak.

WHO'S WHO in Intramurals



John Guignon

John Guignon, one of Phi Kap's most outstanding pledges, attained this position by contribut-

ing greatly to Phi Kap's intramural program. While attending St. Louis U. High School, he was active in many sports such as swimming, tennis, and basketball. Upon graduating from high school Guignon decided to make his profession Mechanical Engineering.

Although John is only a Freshman, he has already made a big name for himself on campus. John has broken two school intramural swimming records, taken two first places in intramural swimming, tied for first place in one intramural swimming event, and came in second in intramural tennis singles. The records he broke were the sixty yard individual medley, sixty yard breaststroke and the times were 34.2 and 39.4 seconds respectively. John tied for first place in the freestyle relay. Basketball is also one of the intramural sports John is participating in this year. As one would probably have guessed by now, John is a member of the varsity swimming team.

Being only a Freshman and showing such great success in the events he has participated in makes one wonder what honors await this promising individual in his coming years at MSM.

LET'S SUPPORT
THE BASKETBALL TEAM
AT HOME GAMES!

Intramural Basketball Results

League One	W	L
Sigma Nu	5	0
Dorms	4	1
Triangle	3	1
Delta Sigma Phi	3	2
Sigma Phi Epsilon	2	3
Shamrock	1	3
Sigma Pi	0	4
Theta Zeta	0	4

League Two	W	L
Tech Club	4	0
Sigma Tau Gamma	3	1
Lambda Chi Alpha	3	2
Prospectors	3	2
Phi Alpha	2	2
Kappa Sigma	1	3
Tau Kappa Epsilon	1	4
Kappa Alpha	1	4

League Three	W	L
Engineers Club	5	0
Phi Kappa Theta	4	0
Pi Kappa Alpha	4	1
Fifty Niners'	2	2
Acacia	2	3
Baptist Student Union	0	3
Beta Sigma Psi	0	4
Wesley	0	4

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Varsity Swimming Starts Wednesday As Miners Meet Westminster

Wednesday, December 13th the Miners swimming team will have a meet at Westminster at 5:00 p. m. The swimming team lost a large number of boys from graduation this spring. Burr Van Nostrand, head swimming coach, is trying to rebuild the team this year with the incoming Freshmen and Sophomores.

Returning lettermen are Bill Daby, breaststroke; Richard Greeley, sprinter; Tom Barber, butterfly; Robert Kadwell breaststroke; and Myron Bruns, diving.

The promising Freshmen are the following:

John Guignon, St. Louis U. High product who is very good in the individual medley, 440 yd. dash and 100 yd. freestyle.

Kent Horner, University City, outstanding butterfly and distance man.

Richard Carney, Oak Park, Ill. is another good butterfly swimmer.

Charles Seger, St. Louis, very good at breaststroke and freestyle.

Carl Rydberg, New York State, is trying out for the breaststroke, backstroke, and freestyle.

Ed Johnson, Chicago, looks promising for the team in the freestyle.

Robert Kulhan also is out for the freestyle.

Ed Lamers is the promising freshman diver and should do fine as soon as he gets a few meets under his belt.

The swimming schedule for the 1961-62 season is the following: December 13, Westminster College, there, 4:00 p. m.

January 6, Washington University, here, 2:00 p. m.

January 10, Westminster College, here, 4:00 p. m.

January 20, to be scheduled.

February 2, St. Louis University, here, 5:00 p. m.

February 3, Emporia State, here, 2:00 p. m.

February 10, Pittsburg State, here, 2:00 p. m.

February 16, Indiana State, there, 4:00 p. m.

February 17, Louisville, there, 2:00 p. m.

February 24, Missouri Collegiate Meet, here.

Memphis Navy to be scheduled later.

Western Illinois to be scheduled later.

Richard Greeley is back for his fourth year on the team. He was a member of the medley team that broke a school record last year.

Larry Cooley Wins State Weight Lifting Championship

Our congratulations to Larry Cooley. Sunday, November 26, saw Larry, a student of MSM, winning the middleweight weight lifting championship of Missouri.

This contest is won on a total point system for the three events: the press, the snatch, and the clean and jerk. Larry lifted 200 in the press, 210 in the snatch and 260 in the clean and jerk for a total of 670 points. The state records for these events are 260, 235, and 300 for the press, snatch, and jerk, respectively. Larry had hoped to break the 300 lb. clean and jerk record set previously by Gary Cleveland. He had come close at training sessions but was unable to duplicate it at the meet.

Larry is a senior here in Metallurgical Engineering. He transferred from George Washington University in Washington, D. C. where he competed several times, taking a second in the Norfolk Open Invitational and another second in the Washington D. C.

A.A.U. championships. He set a record of 220 lbs. for the two hand snatch in the D. C. meet.

Larry Cooley is one of a group of about twelve dedicated weight lifters who train regularly here on campus.

At this point it may be interesting to note that they have been given a room in Jackling Gym to workout but have provided their own equipment and are not part of a school sponsored program. Larry did, however represent the school while winning the state championship.

The competition in life is so severe that disappointment is inevitable, and should be gracefully accepted.

Often I wish I had the nerve to say I don't know, when I am asked what I think.

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